

Amendments to the Claims

The listing of claims below replaces all prior versions and listings of claims.

Listing of Claims

Claim 1 (Currently Amended): A transformer, comprising:
A
 a magnetic core having a substantially toroidal shape;
 a plurality of conductors distributed around the magnetic core, each conductor partially enclosing a portion of the core and being adapted to be electrically connected to form a first winding; and
 a single sheet of metallic material formed to at least partially enclose portions of the core, edges of the sheet being adapted to be electrically connected to form a second winding.

Claim 2 (Original): The transformer of claim 1, wherein the formed sheet provides substantially uniform distribution of current around the core annulus.

Claim 3 (Original): The transformer of claim 2, wherein the sheet is electrically equivalent to a single turn.

Claim 4 (Withdrawn): A transformer, comprising:
 a magnetic core having a substantially toroidal shape;
 a plurality of conductors distributed around the magnetic core, each conductor partially enclosing a portion of the core and being adapted to be electrically connected to form a first winding; and
 a single sheet of metallic material formed to substantially enclose the core and the first winding, edges of the sheet being adapted to be electrically connected to form a second winding.

Claim 5 (Withdrawn): The transformer of claim 4, wherein the formed sheet provides substantially uniform distribution of current around the core annulus.

Claim 6 (Withdrawn): The transformer of claim 5, wherein the sheet is electrically equivalent to a single turn.

Claim 7 (Withdrawn) A transformer, comprising:
a magnetic core having a substantially toroidal shape;
at least one winding applied to the core, each of the at least one winding enclosing at least a portion of the core annulus, thereby forming a wound core; and
a single sheet of metallic material formed to substantially enclose the wound core.

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Claim 8 (Withdrawn) The transformer of claim 7, wherein the formed sheet forms an additional winding.

Claim 9 (Withdrawn) The transformer of claim 8, wherein the additional winding provides substantially uniform distribution of current around the core annulus.

Claim 10 (Withdrawn) The transformer of claim 9, wherein the additional winding is electrically equivalent to a single turn.

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(Claim 11 (Canceled))

Claim 12 (New) The transformer of claim 1, wherein the formed single sheet of metallic material substantially encloses the core and the first winding.

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Claim 13 (New): The transformer of claim 12, wherein the formed sheet provides substantially uniform distribution of current around the core annulus.

Claim 14 (New): The transformer of claim 13, wherein the sheet is electrically equivalent to a single turn.

Claim 15 (New): The transformer of claim 1, wherein at least some of the plurality of conductors at least partially comprise a conductive trace on a printed circuit board.

Claim 16 (New): A transformer, comprising:
a magnetic core having a substantially toroidal shape;
at least one winding applied to the core, each of the at least one winding enclosing at least a portion of the core annulus, thereby forming a wound core; and
a single sheet of metallic material formed to at least partially enclose the wound core.

Claim 17 (New): The transformer of claim 16, wherein the formed sheet forms an additional winding.

Claim 18 (New): The transformer of claim 17, wherein the additional winding provides substantially uniform distribution of current around the core annulus.

Claim 19 (New): The transformer of claim 17, wherein the additional winding is electrically equivalent to a single turn.

Claim 20 (New) The transformer of claim 16, wherein the formed single sheet of metallic material substantially encloses the core and the first winding.

Claim 21 (New): The transformer of claim 16, wherein at least some of the at least one windings at least partially comprise a conductive trace on a printed circuit board.
